

# Income, Budgets & Math...Oh My!

Using the ILP's Career Matchmaker  
Grades 6-8

## Standards:

6-8.RP.3- Use proportional relationships to solve multi-step ratio and percent problems. Examples: simple interest, tax, markups and markdowns, gratuities and commissions, fees, percent increase and decrease, percent error.

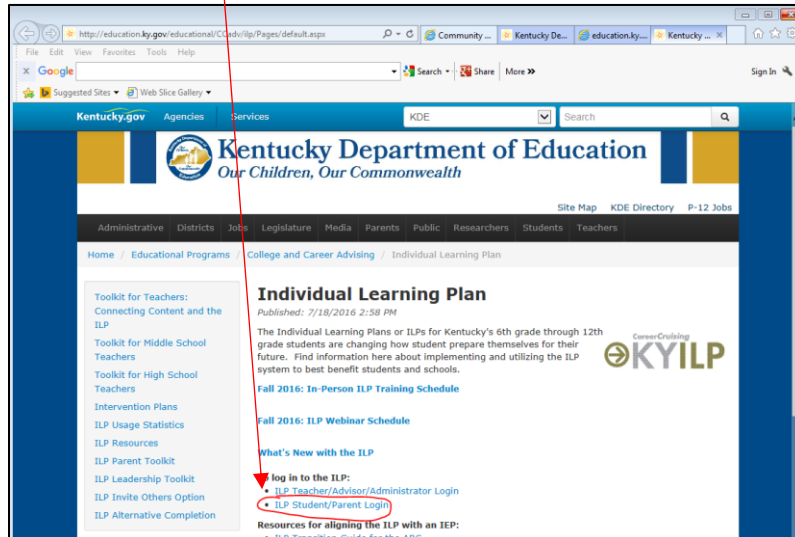
6-8.NS.3- Solve real-world mathematical problems involving the four operations with rational numbers.

## Materials:

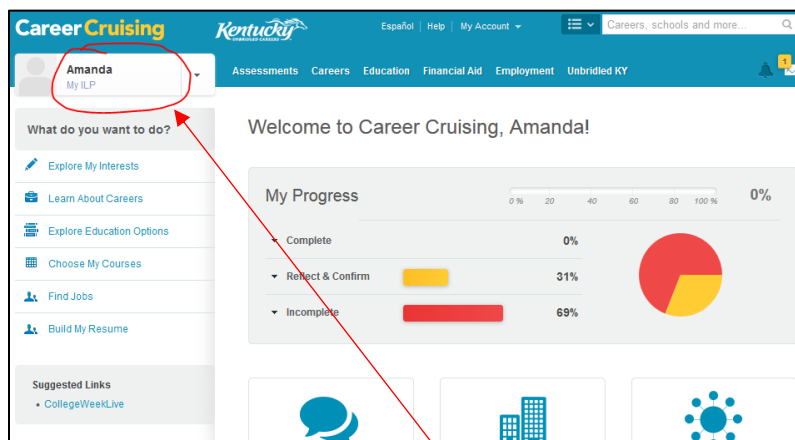
- Computers (1 to 1 ratio)
- Copies of **Income, Budgets and Math...Oh My!** Sheet
- Apartment rental ads (from newspaper or grocery store)

## Instructions:

1. Take students to a computer lab with internet access and have students log in to their ILP account. They can log in through the KDE ILP page (go to KDE's site and in the search box type ILP).



2. Students will log into their ILP> When they open their ILP it will look like this:



3. Have students click on their name in the top left of the screen.

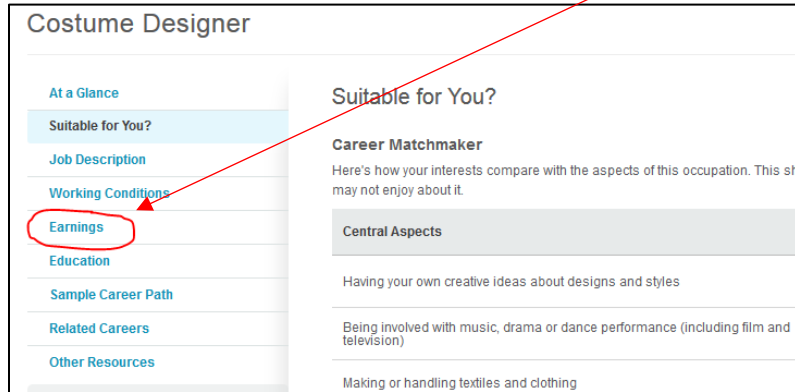
4. When they click on their name, the next screen will look like this:

5. Have students click on **Career Matchmaker**.

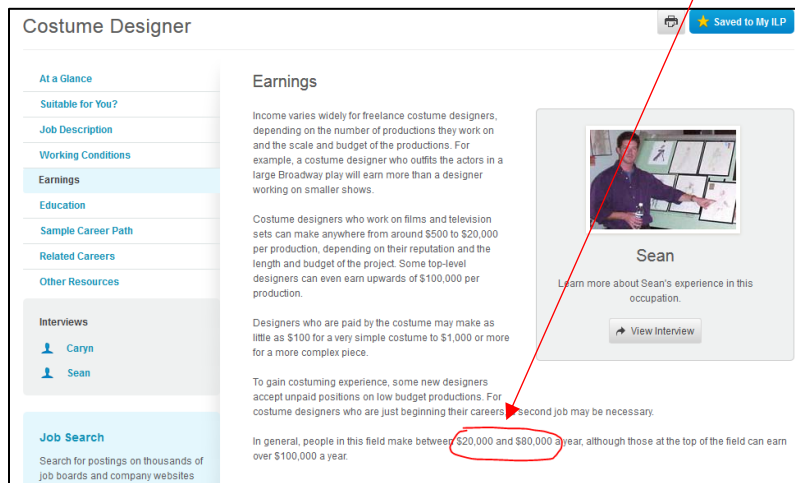
6. If students have already completed a Career Matchmaker this school year, they can click on their saved results:

7. If they have **not** taken their Career Matchmaker this school year, they can click on **Start New Matchmaker** to start their quiz (the quiz should take about 10-15 minutes to complete).
8. Students will look through the careers and find one that interests them. Have them write the name of the career on their **Income, Budgets and Math...Oh My!** Sheet. Then have them click on the title of the job they choose:

9. Have students click on the Earnings section in the box on the top left.



10. Read through the description to find the salary range for this type of career. Write the salary range on your **Income, Budgets and Math...Oh My!** Sheet for Question #2.



11. Students will use their **Income, Budgets and Math...Oh My!** Sheet to help them:
- Find the mean income within their salary range
  - Figure out how much money they would make each month
  - Figure out how much money would be left over after taking out 25% for income tax
12. Next, hand out some apartment rental ads that you have collected from the grocery store or newspaper. Make sure you have enough for each student to use.
13. Students will look through the apartment rental ads to find an apartment that fits within their monthly budget. Have them complete the **Income, Budgets and Math...Oh My!** Sheet.
14. Optional: Have a class discussion about the other expenses that students came up with in Question #10 of their **Income, Budgets and Math...Oh My!** Sheet.

## Income, Budgets and Math...Oh My!

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. The career I chose from my Career Matchmaker results is: \_\_\_\_\_

2. What salary range is listed for this career? \$\_\_\_\_\_ to \$\_\_\_\_\_

3. Find the MEAN salary (*hint: add the two salary amounts together and divide by 2*): \$\_\_\_\_\_/ year

4. Figure out how much your **monthly** salary will be: \$\_\_\_\_\_/ month

5. If 25% of your **monthly** income is taken out for income taxes each month, how much will you have left?

\$\_\_\_\_\_/ month

*Look through the Apartment rental ads to find an apartment you like that is in your monthly income range (from question #5). Write down the apartment information below:*

6. Name of Apartment complex : \_\_\_\_\_

7. Amenities (*extra stuff that's included: pool, clubhouse, covered parking, etc.*): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

8. Monthly rental fee: \$ \_\_\_\_\_

9. If you choose to live in this apartment, how much money would have left over each month? \$ \_\_\_\_\_

10. What other expenses might you have if you live in an apartment? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_